

**STUDENTS' WEEK ACTIVITY**  
**OF**  
**DEPARTMENT OF BOTANY**  
**FOR THE SESSION 2024-25**  
**(02<sup>nd</sup> January, 2025 – 08<sup>th</sup> January, 2025)**

**Department of Botany, Gurudas College** recently celebrated Students' Week with a diverse range of programs that fostered academic excellence, creativity, and community engagement. The week-long celebration brought together students, faculty members, and school students from nearby institutions, promoting a spirit of collaboration and knowledge sharing.

Following Activities were performed throughout the week in the Department:

## **1. Know your college campus plants**

'Know your campus plants', an initiative to get the college students acquainted with the predominant plants in Gurudas College was organized on **2nd January, 2025** as part of the **Students' Week Celebration, 2025**. Gurudas College has open green spaces in the college campus. Apart from an ornamental garden it has a medicinal plant garden and a mango field gene bank. Apart from these there are several plants planted along the boundary wall of all the three campuses viz. Main Building campus, Commerce Building and Golden Jubilee building campus. Some potted plants add to the beauty of the campus especially near the main entrance.

Students from different disciplines participated. The 1<sup>st</sup> semester Botany Major students were most enthusiastic as they walked around the campus with Dr Gautam Kumar Pahari of the Department of Botany.

### **Expected Learning outcomes:**

Students will get a glimpse of the vast plant diversity in our college campus. This is expected to increase their curiosity about the plants and their uses. Through this initiative the Department of Botany wanted to spread awareness about different plants especially the medicinal plants among all students and not restricted to Botany students only.

Learning outcomes from studying plants on a college campus include understanding plant structure, functions, and uses, and how the

environment affects them. Students can also develop skills like observation and team work among students.

### **Snapsort of the Day**



**Students of 1<sup>st</sup> Semester Botany Major with Dr Gautam Kumar Pahari**

## 2. Poster Presentation

The students of Semester V Botany Honours actively participated in a poster presentation held on **3<sup>rd</sup> January, 2025**. The topics were thoughtfully selected from the curriculum, enabling students to reinforce their understanding of key concepts while preparing for their upcoming exams. The presentations primarily focused on the fascinating realms of Cell and Molecular Biology and Plant Biotechnology. Specific topics included the intricacies of Somatic embryogenesis, Endosperm and Embryo culture, Anther culture and Micropropagation. To foster a competitive and learning-rich environment, faculty members *viz.* Dr. Mousumi Das and Dr. Goutam Kumar Pahari were present to judge the presentations, providing constructive feedback and encouragement to the students. This engaging exercise not only showcased the student's grasp of complex biological concepts but also helped them develop essential skills in scientific communication, critical thinking, and creativity.

### Glimpses of the Day



**Dr. Mousumi Das and Dr. Goutam Kumar Pahari evaluating the posters of the 5<sup>th</sup> semester students during the poster presentation**

### 3. Release of Wall Magazine

Department of Botany unveils Wall Magazine on ‘**Spice up Your Life**’. The Department of Botany proudly released its Wall Magazine on **January 3<sup>rd</sup>, 2025**. This innovative initiative was undertaken by students of Semester III Botany Honours, under the expert guidance of Dr. Anwesha Biswas and Dr. Suptothita Choudhury. The Wall Magazine, themed ‘**Spice Up your life**’ served as a vibrant platform for students to showcase their creativity, share knowledge, and foster a sense of community within the department. The inauguration ceremony was graced by Dr. Triparna Majumder, IQAC Member, Professor of Economics Department. Other faculty members from the department were also present to encourage and appreciate the student’s efforts. This Wall Magazine is a testament to the department’s commitment to innovative learning and student engagement.

#### Glimpses of the Day



(a) Wall Magazine Inauguration by Dr. Triparna Majumder

(b) Dr. Majumder and other Professors of the department with the students of Department of Botany during the Wall Magazine inauguration ceremony

(c) Students of the department with their Professors

#### **4. Invited Lecture by Distinguished Alumnus**

A Departmental invited lecture was arranged on **4<sup>th</sup> January, 2025**. Speaker was **Dr. Biplab Kumar Bhowmik**, Assistant Professor, Botany Department, Scottish Church College. He is also one of our alumnus. He completed his graduation from the Botany Department of Gurudas College and ranked first class first in CU in 2007. Title of his talk was “**Recent Trends in Plant Sciences Studies and Research**”.

During his lecture, our speaker provided a concise overview of some notable Botany textbooks and emphasized on the importance of consulting reference for in-depth understanding of each topic. To encourage students to read different journals to get enlightened about the recent trends in Plant Science Research, he recommended some journals like Annual Review of Plant Biology, Frontiers in Plant Science, Planta etc. He continued his discourse by outlining the various entrance examinations required for admission into Ph. D. programs. The list included UGC-CSIR NET, GATE-Life Sciences, Gate-Biotechnology, ICMR & DBT JRF etc. The speaker also explained at length by power point presentation about various workshops, summer internships & hands-on experience programs during UG courses undertaken by Bose Institute, Indian Institute of Chemical Biology, IISER of Kolkata. He also shared a list of Indian Institutes offering Ph. D. programs in Botanical Arts.

It was a truly enriching discussion particularly regarding the latest advancements in Plant Science Research and various career opportunities available to students after completing undergraduate and/or post-graduate studies in Botany.

The lecture concluded on a high note leaving students feeling highly motivated and inspired at the end. Dr. Goutam K Pahari thanked the speaker heavily for his illuminating lecture and all the faculties and the students for making the event successful.

## Glimpses of the Event:



(a) Dr. Mousumi Das Introducing Speaker Dr. Biplab Kumar Bhowmick (b) Felicitation of Dr. Bhowmick by Sem I student (c) Vote of Thanks delivered by Dr. Goutam Kumar Pahari (d) Dr. Bhowmick with the other Faculties of Botany department



**Dr. Biplab Kumar Bhowmick delivering his lecture to the audience**

## **5. Tagging campus plants of Gurudas College with QR Code.**

This initiative of the Department of Botany on **4th Jan, 2024** was also a part of the **Students' Week Program**.

Gurudas College has open green spaces within the campus. Students of Botany learn to observe and identify plants as part of their curriculum. But often we have students of other departments eager to know more about the plants and especially its uses. So, this year the department of Botany decided to tag the campus plants with QR code. Whoever wants to get additional information about the plant all they have to do is scan the QR Code and instantly they will get all the information in the device. We were glad to have with us on 4<sup>th</sup> Jan, 2025 faculty and students of other departments.

**Rationale of the initiative:** The idea was to make information about plants easily accessible among all college students not only for Botany students.

**Expected outcome of this initiative:** Students interested in knowing more about their campus plants will have an accessible, fast and reliable option.


- a. Awareness about the plant diversity within our college:** QR codes attached to trees can provide valuable information about each tree's species, characteristics, ecological importance, and benefits. This enhances the college student's awareness about the diversity of trees and their significance in the ecosystem.
- b. Awareness about conservation of plant diversity:** By providing detailed information about trees, students can better understand the importance of preserving and protecting trees and their habitats. This promotes environmental conservation efforts and encourages responsible behaviour towards nature.

This is an ongoing process. We started with the trees and large shrubs and hope to continue for the small shrubs and weeds with medicinal value.

**Some pictures taken during the tagging of campus plants of Gurudas College with QR Code.**





 **GPS Map Camera**



**Kolkata, West Bengal, India**  
1, 1, Suren Sarkar Rd, Jewish Graveyard, Phool Bagan, Belegkata,  
Kolkata, West Bengal 700010, India  
Lat 22.570911° Long 88.390441°  
04/01/25 02:45 PM GMT +05:30

Google

## 6. Distribution of Certificates of the Thalassemia Carrier Detection Test

Distribution of Certificates of the Thalassemia Carrier Detection Test on **6th January, 2025**. This event was organised by the Life Sciences Departments, NSS units and the IQAC of Gurudas College. This was part of the Students' Week Celebration, 2025. The Test was conducted on 9th June, 2024.

### Some pictures taken during the event





Monday, January 06 2025, 14:03:07  
1/1, Suren Sarkar Rd, near Gurudas College,  
Jewish Graveyard, Phool Bagan, Beleghata, Kolkata,  
West Bengal 700010, India  
22° 34' 16" N, 88° 23' 25" E -29m  
25.0°C 7.6Km/h 51%

o Multispeciality  
ospitals, Kolkata

ম্যাপোলো  
মাল্টি-স্পেশালিটি...

Google  
BELEGHAT



Monday, January 06 2025, 14:03:26  
1/1, Suren Sarkar Rd, near Gurudas College,  
Jewish Graveyard, Phool Bagan, Beleghata, Kolkata,  
West Bengal 700010, India  
22° 34' 16" N, 88° 23' 25" E -29m  
25.0°C 7.6Km/h 51%

o Multispeciality  
ospitals, Kolkata

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মাল্টি-স্পেশালিটি...

Google  
BELEGHAT

## 7. Laboratory Visit by the school students

On 6<sup>th</sup> January, 2025 the school students visited the laboratory of Botany dept. All the faculty took active participation in this event. Dr. Suptotthita Choudhury, Dr. Anwesha Biswas, Dr. Mitu De explained the student about plant diversity and about different groups of plants and also showed the students slides under microscope related to that. The students were also shown the jar specimen to make them understand about different group of plants. Further, Dr. Choudhury explained them the techniques of herbarium preparation and its procedure and different laboratory technique.

### Glimpses of the Day



The Students' Week celebrations at the Department of Botany, Gurudas College, were a resounding success. The diverse range of programs, including the "Know Your Campus Plants" initiative, wall magazine inauguration, poster presentation, school student visit to the lab, and the enlightening lecture by our distinguished alumnus speaker, provided students with a unique opportunity to engage with their peers, faculty members, and the community.

These events not only fostered academic excellence and creativity but also promoted environmental awareness, sustainability, and community outreach. The department's commitment to provide students with a comprehensive education, combining academic rigor with hands-on experience and extracurricular activities, was evident throughout the celebration.

The alumnus speaker's lecture served as a motivating force, inspiring students to pursue their passions and explore the vast opportunities available in the field of botany. As the department looks to the future, it is clear that these initiatives will continue to inspire and motivate students to achieve excellence in their academic and professional pursuits.

Furthermore, the department took the opportunity to distribute certificates to students who had undergone the Thalassemia Carrier Detection Test, conducted earlier. This initiative underscored the department's dedication to promote health awareness and supporting the well-being of its students.

As part of its outreach initiatives, the department of Botany welcomed school students for a lab visit, sparking their curiosity and interest in the fascinating world of plant science. This endeavor demonstrated the department's dedication to nurturing scientific temperament and literacy among school-going students, inspiring the next generation of botanists and scientists.